REMARKS

By the present amendment, claim 64 has been canceled. Claims 1-63 remain pending in the present application. Claims 1 and 63 are independent claims. Applicants request reconsideration and allowance in view of the foregoing amendments and the following remarks.

Drawings

1. The drawings are objected to because figure legends are allegedly required for every element of Figs. 1-7, 9, 10 and 13-17. Applicants have amended Figs. 1-17 by adding legends to clarify the drawings, deleting the PCT headings (e.g. 1/15, 2/15,..., 15/15), and, to the best of the knowledge of the undersigned, including no new matter.

Rejection under 35 U.S.C. § 102(b)

2. Claim 64 is rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by Ashi (U.S. Patent No. 5,634,097). The cancellation of claim 64 renders this rejection moot.

Allowable Subject Matter

3. Applicants note with appreciation the indication by the Office that claims 1-63 are allowed.

Conclusion

4. All of the stated grounds of rejection have been properly traversed. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding rejections

and that they be withdrawn. Applicant believes that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is hereby invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment is respectfully requested.

February 28, 2006

Respectfully submitted,

By _____
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MAS/TCS

Amendments to the Drawings:

The attached sheets of drawings include changes to Figs. 1 through 17. The changes to Figs. 1 through 17 add figure legends and delete the PCT headings (e.g. 1/15, 2/15,..., 15/15). The formal drawings for Figs. 1-17 on the replacement drawing sheets submitted herewith replace the originally filed drawings and, to the best of the knowledge of the undersigned, the submitted formal drawings include no new matter.

Attachments: **Replacement Sheets** for Figs. 1-17

Annotated Sheet Showing Changes to Figs. 1-17

Fig.1

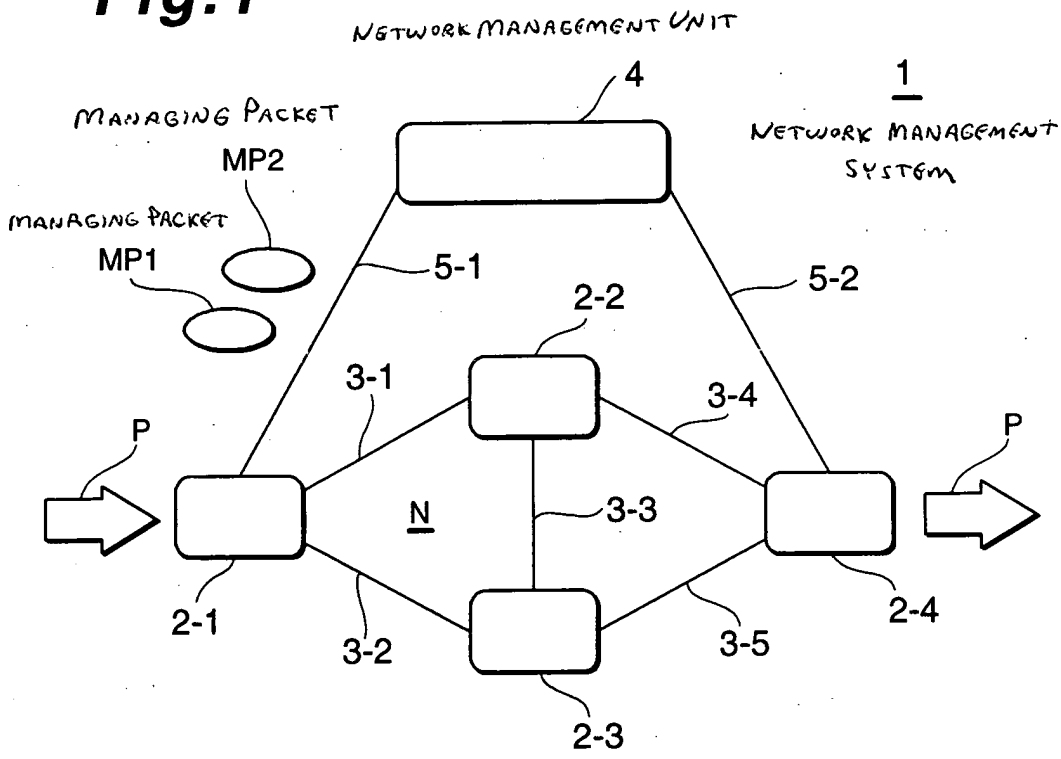

NETWORK MANAGEMENT UNIT
4
1
NETWORK MANAGEMENT SYSTEM
MANAGING PACKET
MP2
MANAGING PACKET
MP1
5-1
5-2
2-2
3-1
3-4
P
P
N
3-3
2-1
3-2
3-5
2-4
2-3

Fig.2

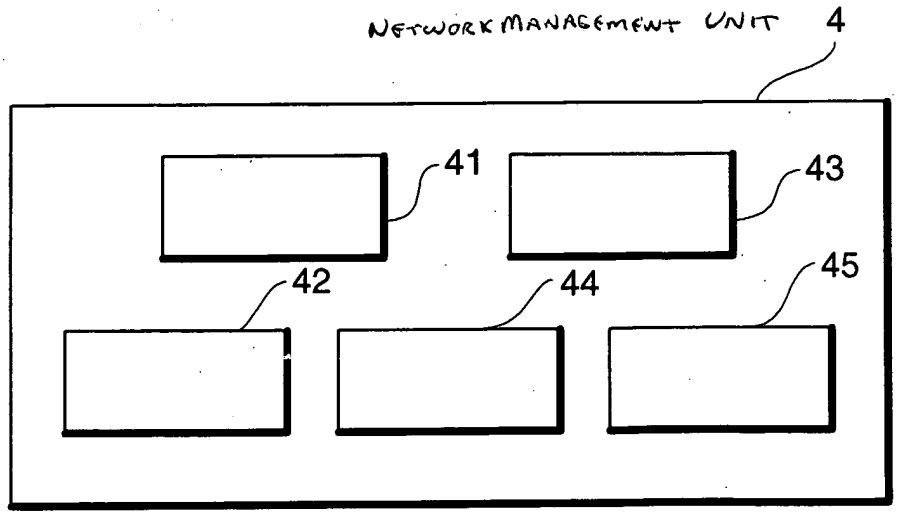

NETWORK MANAGEMENT UNIT
4
41
43
42
44
45

Fig.3

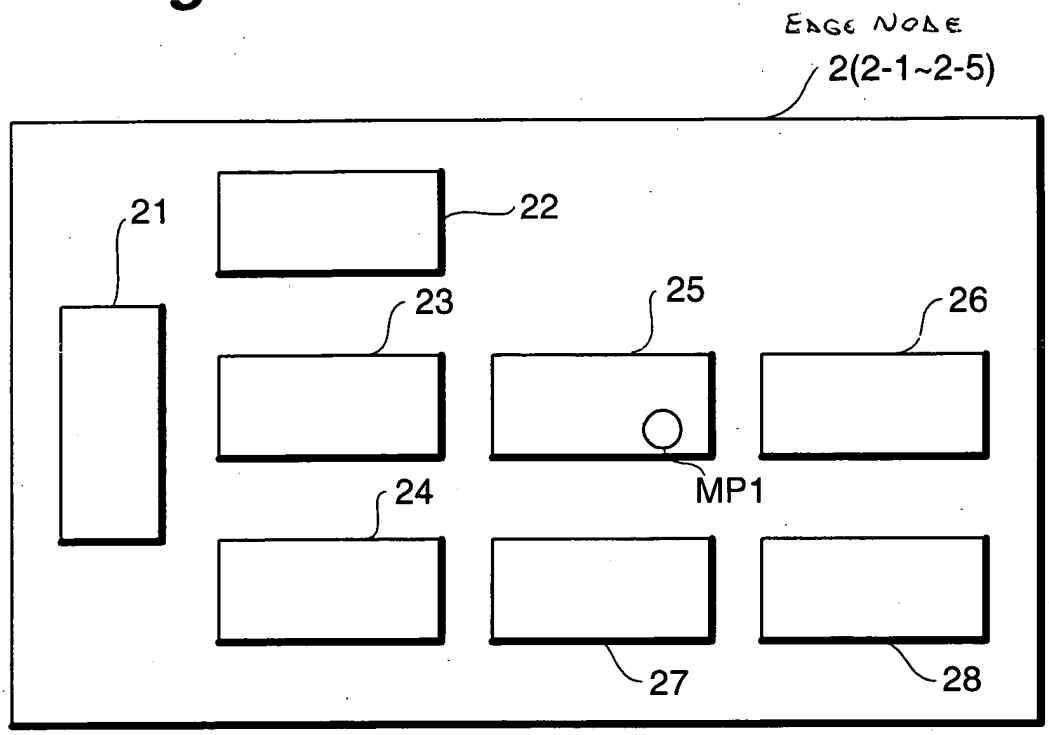

EDGE NODE
2(2-1~2-5)
21
22
23
25
26
MP1
24
27
28

Fig.4

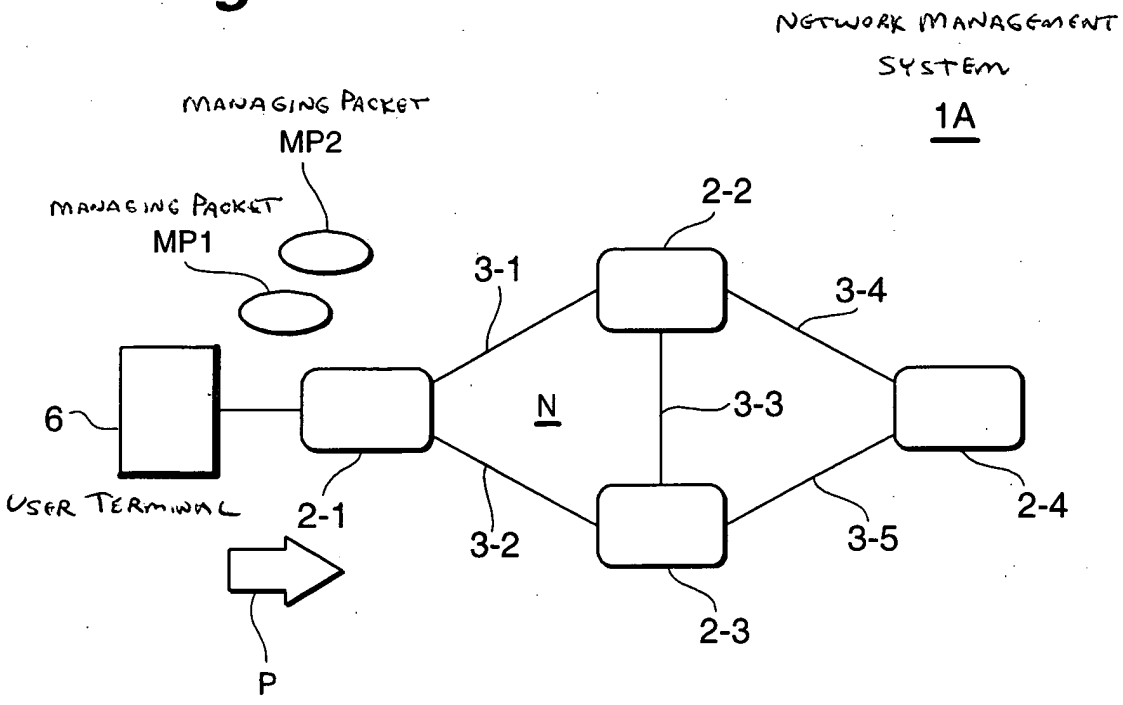

NETWORK MANAGEMENT SYSTEM
1A
MANAGING PACKET
MP2
MANAGING PACKET
MP1
2-2
3-1
3-4
N
3-3
6
USER TERMINAL
2-1
3-2
3-5
2-4
2-3
P

Fig.5

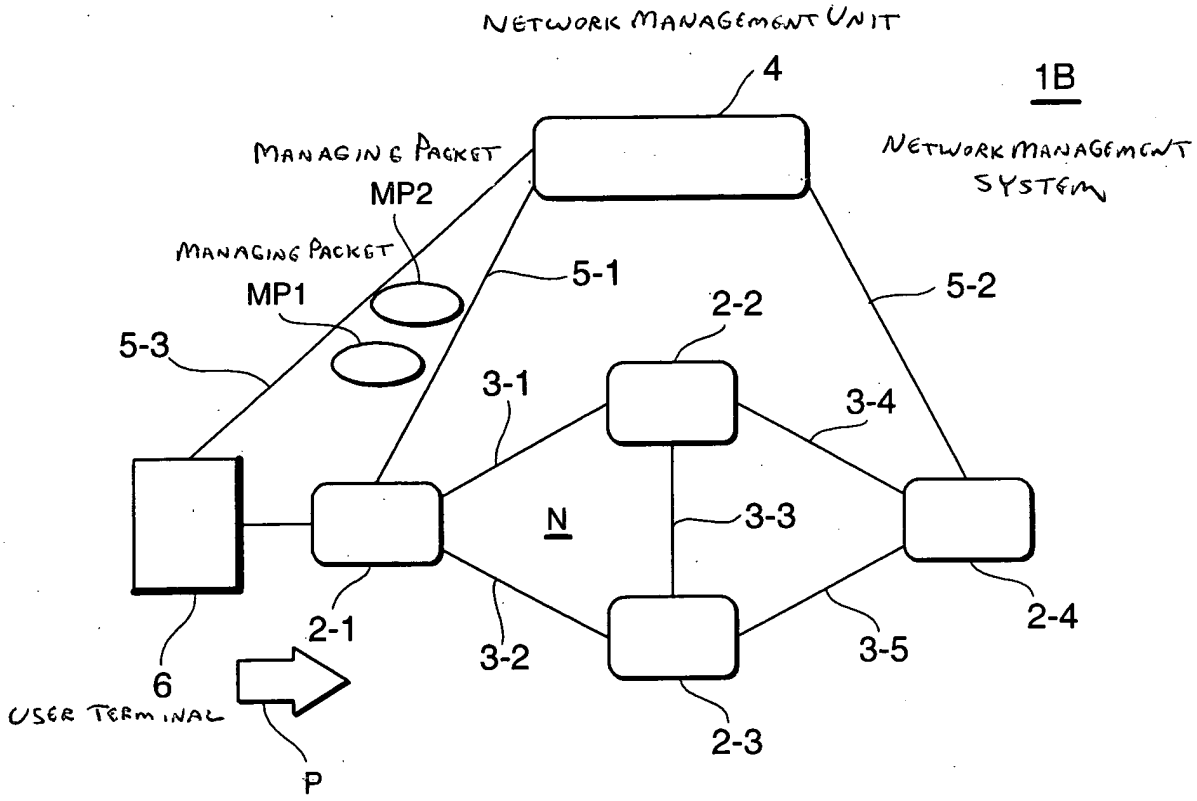
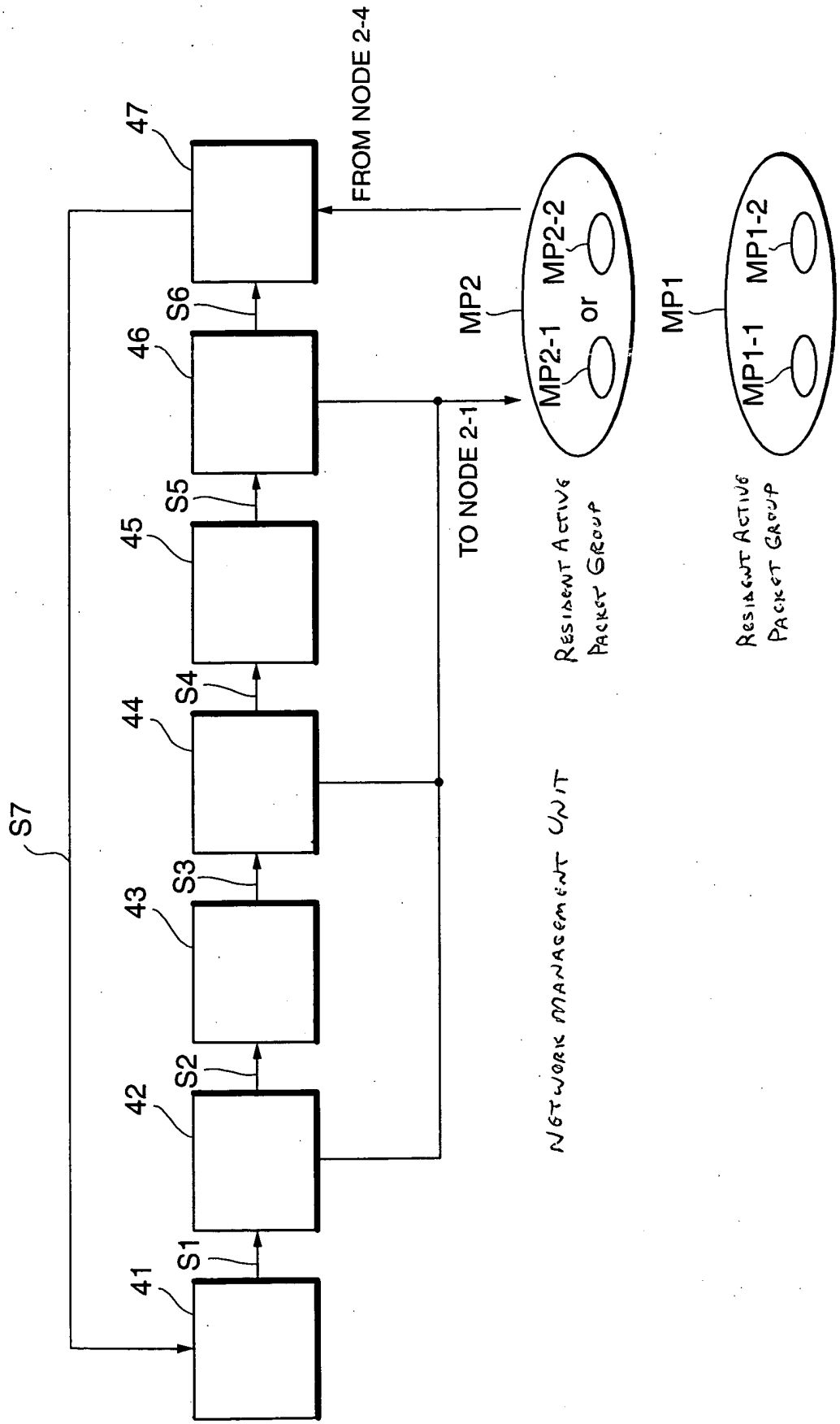

NETWORK MANAGEMENT UNIT
4
1B
NETWORK MANAGEMENT SYSTEM
MANAGING PACKET
MP2
MANAGING PACKET
MP1
5-1
5-2
5-3
2-2
3-1
3-4
N
3-3
2-1
3-2
3-5
2-4
2-3
6
USER TERMINAL
P

Fig.6


FROM NODE 2-4
TO NODE 2-1
MP2
MP2-1
or
MP2-2
MP1
MP1-1
MP1-2
RESIDENT ACTIVE PACKET GROUP
RESIDENT ACTIVE PACKET GROUP
NETWORK MANAGEMENT UNIT
41
42
43
44
45
46
47
S1
S2
S3
S4
S5
S6
S7

~~5/15~~

Fig. 7

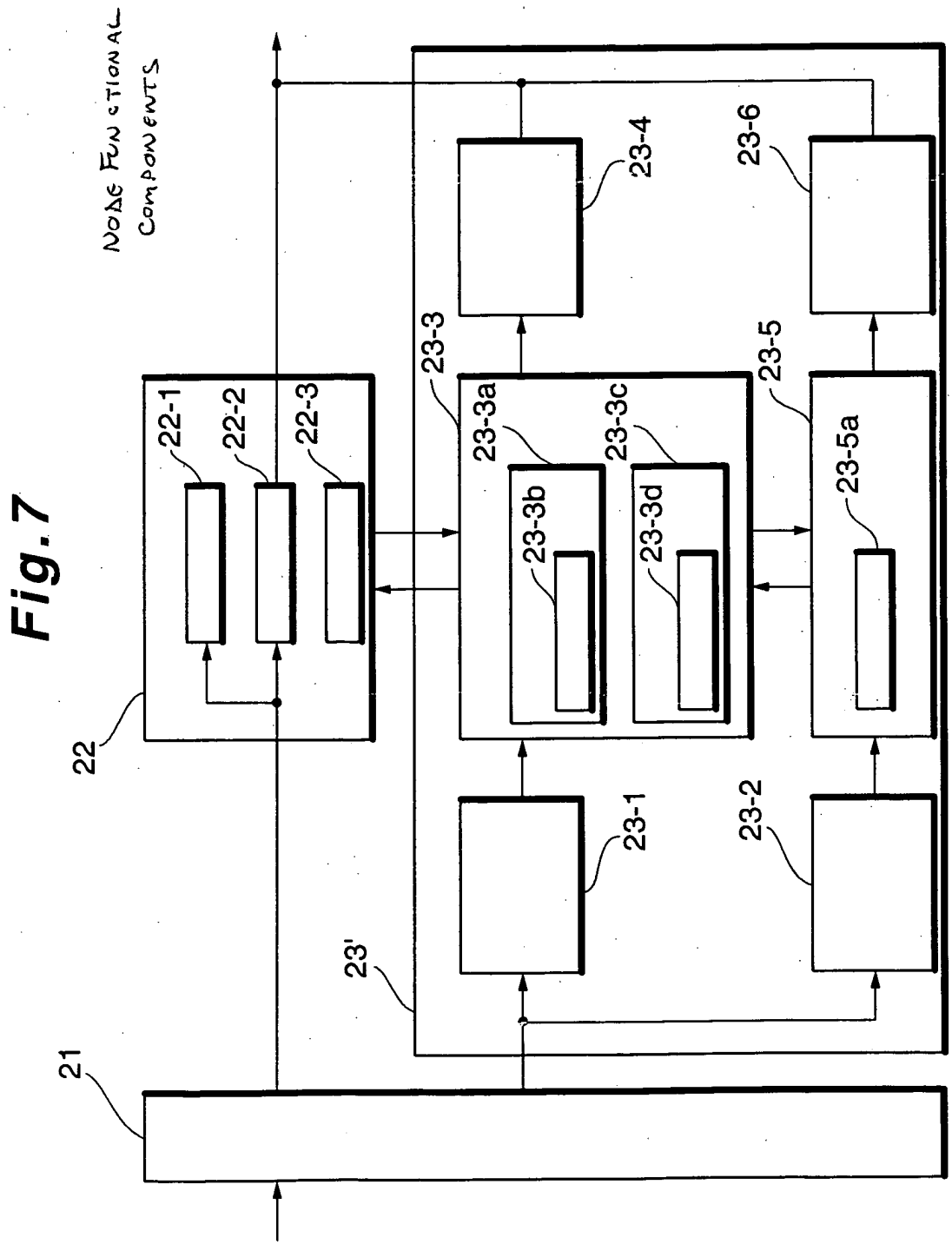

NODE FUNCTIONAL COMPONENTS
21
22
22-1
22-2
22-3
23'
23-1
23-2
23-3
23-3a
23-3b
23-3c
23-3d
23-4
23-5
23-5a
23-6

Fig.8

7

Class / Degree of importance		74 Class 4	75 Class 3	76 Class 2	77 Class 1
		Precedence: Emergency(100)	Precedence: Urgency(Flash Override, 100) Urgency(Flash,011)	Precedence: Immediacy(010) Priority(001)	Precedence: Ordinary(000)
Degree of importance (High) 71	Sender IP address:AAA (Low delay,high throughput)	Transmission of four packets per one time transmission. Order of transmitting 1, 31, 51 78	Transmission of three packets per one time transmission. Order of transmitting 2,5, 32,35, 52,55 79	Transmission of two packets per one time transmission. Order of transmitting 3,6,8, 33,36,38, 53,56,58 80	Transmission of one packet per one time transmission. Order of transmitting 4,7,9,10, 34,37,39,40, 54,57,59,60 81
Degree of importance (Middle) 72	Sender IP address:CCC (High throughput)	Transmission of four packets per one time transmission. Order of transmitting 11, 41 82	Transmission of three packets per one time transmission. Order of transmitting 12,15, 42,45 83	Transmission of two packets per one time transmission. Order of transmitting 13,16,18, 43,46,48 84	Transmission of one packet per one time transmission. Order of transmitting 14,17,19,20, 44,47,49,50 85
Degree of importance (Low) 73	Sender IP address:EEE (Ordinary)	Transmission of four packets per one time transmission. Order of transmitting 21 86	Transmission of three packets per one time transmission. Order of transmitting 22,25 87	Transmission of two packets per one time transmission. Order of transmitting 23,26,28 88	Transmission of one packet per one time transmission. Order of transmitting 24,27,29,30 89

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Application No. 10/074,048
ANNOTATED SHEET

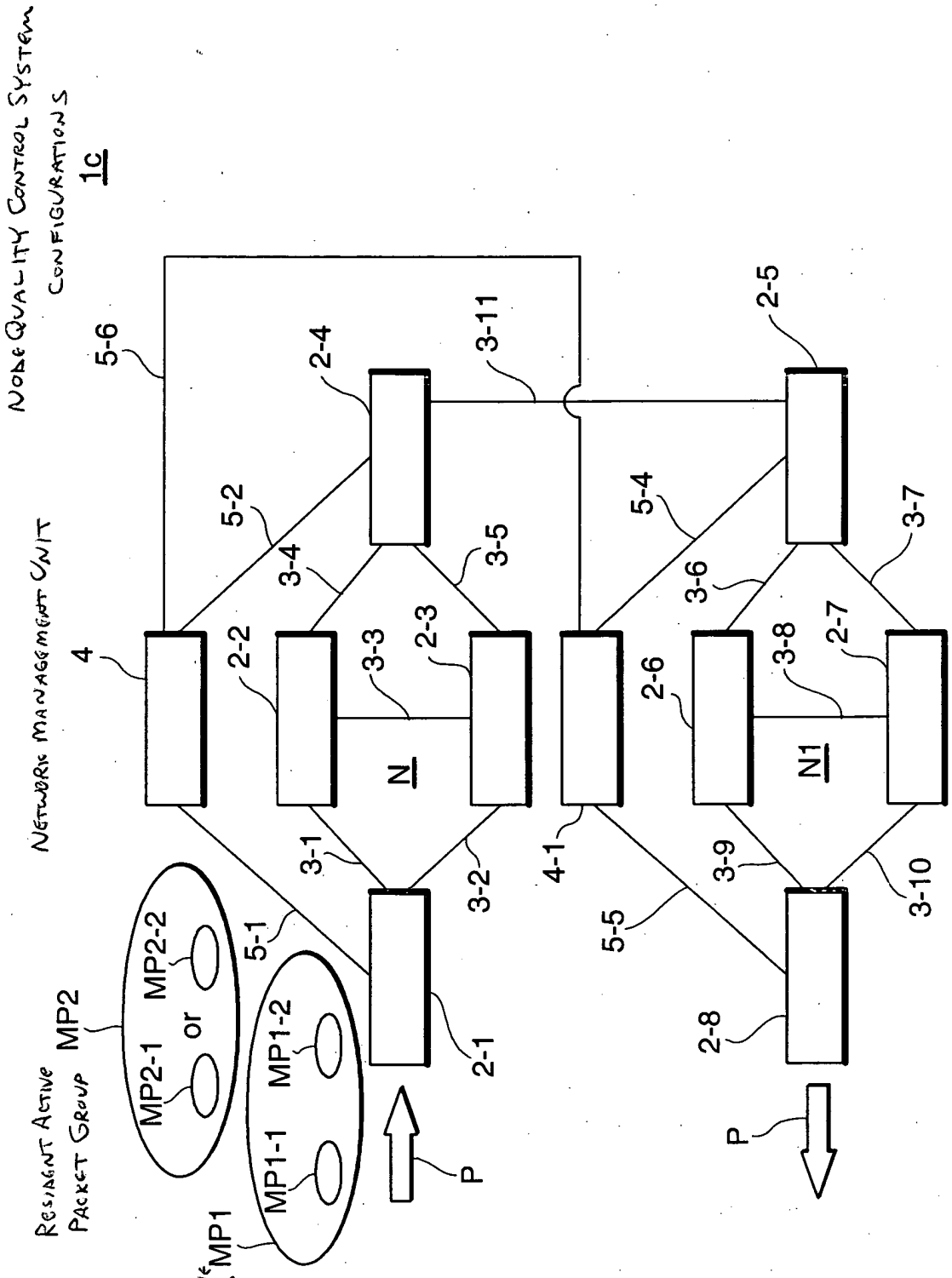
NODE QUALITY CONTROL SYSTEM CONFIGURATIONS
1c
NETWORK MANAGEMENT UNIT
4
RESIDENT ACTIVE PACKET GROUP MP2
MP2-1
MP2-2
or
RESIDENT ACTIVE PACKET GROUP MP1
MP1-1
MP1-2
N
N1
P
P
2-1
2-2
2-3
2-4
2-5
2-6
2-7
2-8
3-1
3-2
3-3
3-4
3-5
3-6
3-7
3-8
3-9
3-10
3-11
4-1
5-1
5-2
5-4
5-5
5-6

Fig.9

Fig.10

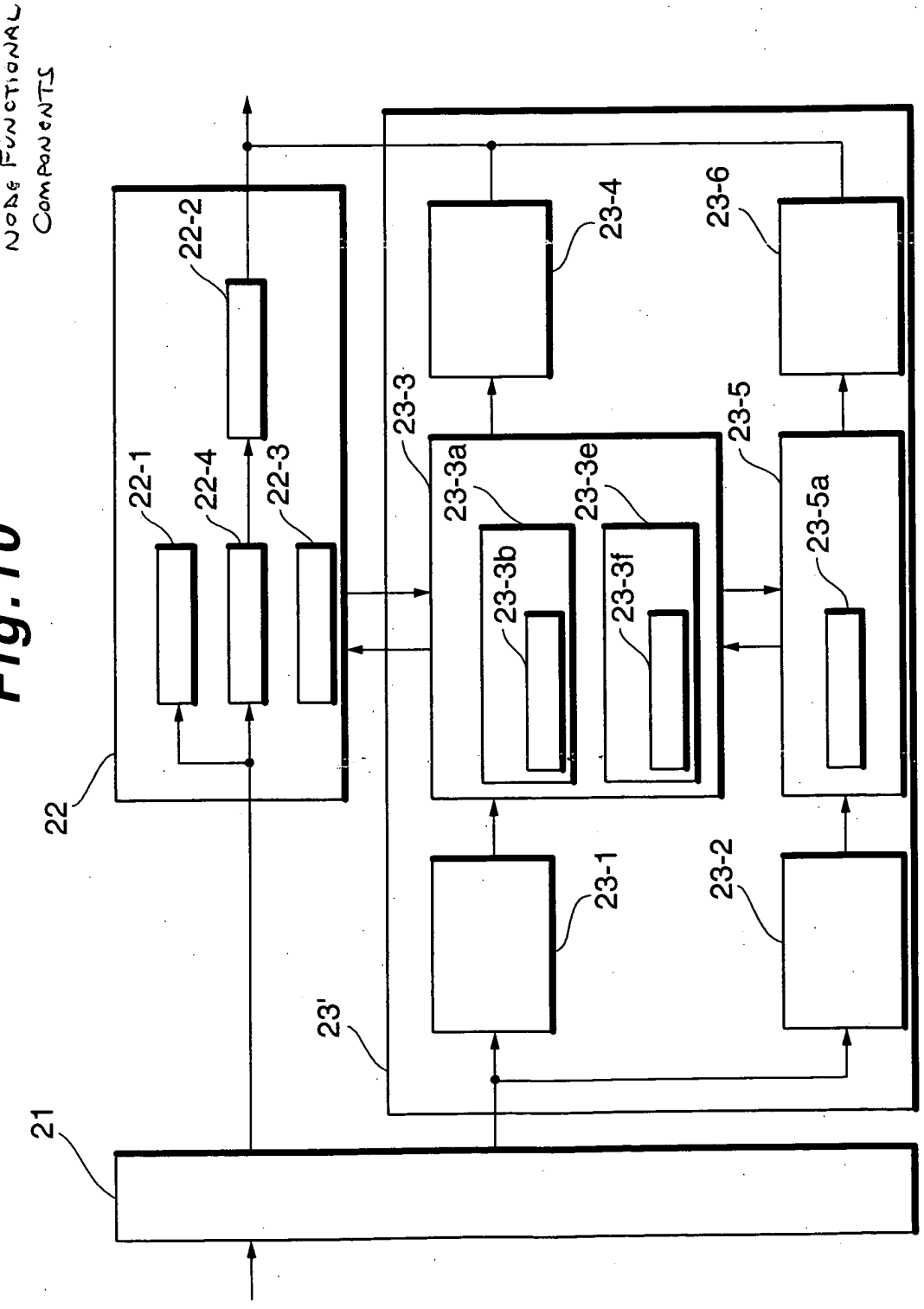
NODE FUNCTIONAL COMPONENTS
21
22
22-1
22-2
22-3
22-4
23'
23-1
23-2
23-3
23-3a
23-3b
23-3e
23-3f
23-4
23-5
23-5a
23-6

Fig.11

[Table 7']

7'

Value for check item / Check item	Value of check item exceeds maximum threshold value ~72	Value of check item equal to maximum threshold value ~73	Value of check item is minimum threshold value or more and maximum threshold or less ~74	Value of check is minimum threshold value or less ~75
Average use frequency of queuing for transfer packet in node ~71	Transfer packet is abandoned ~71a	Transfer packets are abandoned at designated frequency ~71b	Transfer packets are abandoned depending on values of check item ~71c	Transfer packets are not abandoned ~71d
First option (Above check item + precedence of transfer packet) ~76	All transfer packets are abandoned starting from packet having lower precedence ~76a	Transfer packets are abandoned starting from packet having lower precedence at designated frequency ~76b	Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item ~76c	Not transfer packets are abandoned ~76d
Second option (Average frequency of queuing control section of predetermined transfer packet ~77	All predetermined transfer packets P are abandoned ~77a	Predetermined transfer packet P is abandoned by designated frequency ~77b	Predetermined transfer packet is abandoned depending on value of check item ~77c	No predetermined transfer packet P is abandoned ~77d
Third option (Contents provided in second option + precedence of predetermined transfer packets P) ~78	All packets P having lower precedence are abandoned ~78a	Predetermined transfer packet is abandoned starting with packet having lower precedence with designated frequency ~78b	Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item ~78c	No predetermined transfer packet P is abandoned ~78d

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Fig. 12

[Table 8]

8

Value for check item / Check item	Value of check item exceeds maximum threshold value ~82	Value of check item equal to maximum threshold value ~83	Value of check item is minimum threshold value or more and maximum threshold or less ~84	Value of check is minimum threshold value or less ~85
Average transmission rate in traffics of transfer packet in node ~81	Transfer packet is abandoned ~81a	Transfer packets are abandoned at designated frequency ~81b	Transfer packets are abandoned depending on values of check item ~81c	Transfer packets are not abandoned ~81d
Fourth option (Above check item + precedence of transfer packet) ~86	All transfer packets are abandoned starting from packet having lower precedence ~86a	Transfer packets are abandoned starting from packet having lower precedence at designated frequency ~86b	Transfer packets are abandoned starting with packet having lower precedence, depending on average frequency of queuing as value of check item ~86c	Not transfer packets are abandoned ~86d
Fifth option (Average transmission rate in traffics of predetermined packet in node) ~87	All predetermined transfer packets P are abandoned ~87a	Predetermined transfer packet P is abandoned by designated frequency ~87b	Predetermined transfer packet is abandoned depending on value of check item ~87c	No predetermined transfer packet P is abandoned ~87d
Sixth option (Fifth option + precedence of predetermined transfer packet P) ~88	All packets P having lower precedence are abandoned ~88a	Predetermined transfer packet is abandoned starting with packet having lower precedence with designated frequency ~88b	Predetermined transfer packet P is abandoned starting with packet having lower precedence and depending on value of check item ~88c	No predetermined transfer packet P is abandoned ~88d

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ANNOTATED SHEET

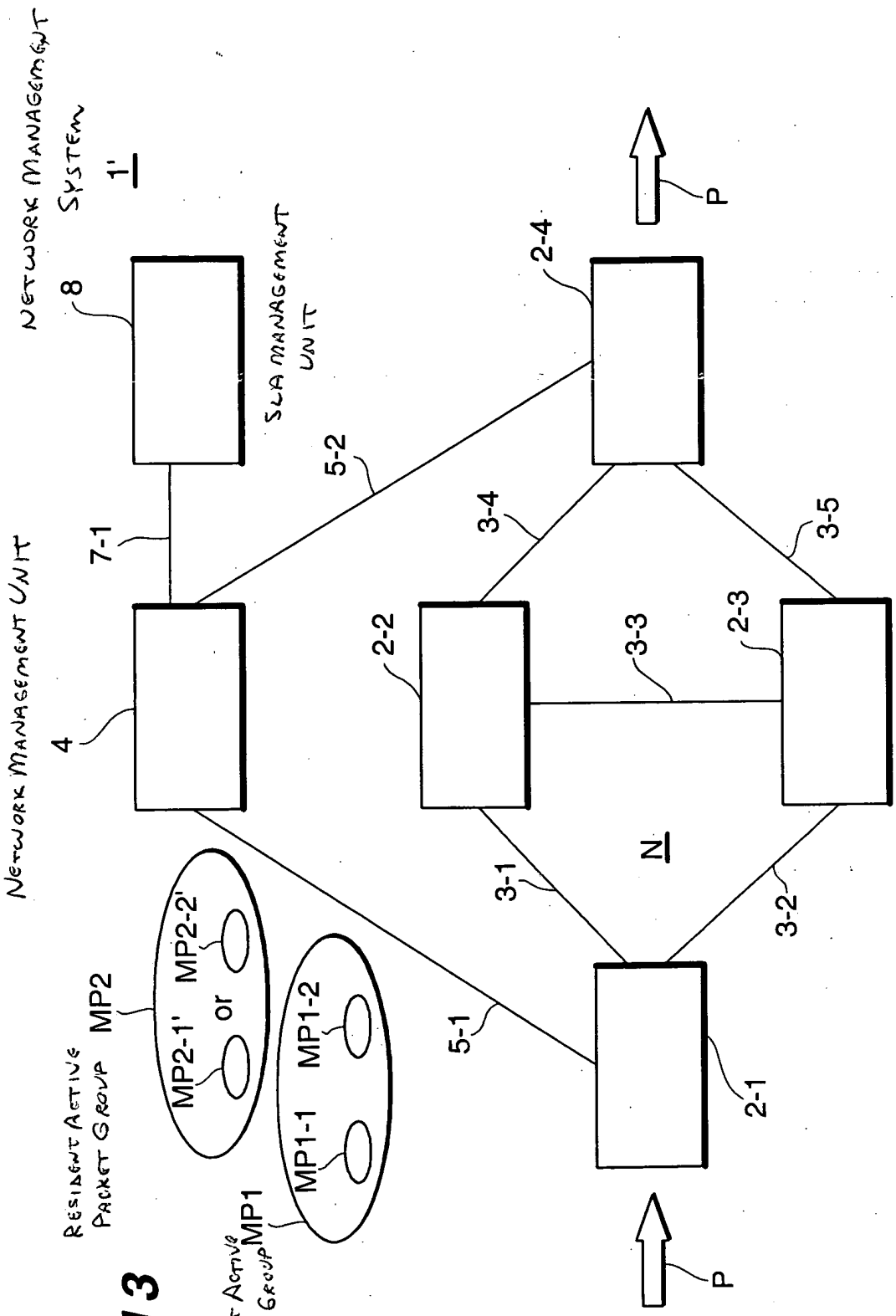

NETWORK MANAGEMENT SYSTEM 1'
8
SLA MANAGEMENT UNIT
NETWORK MANAGEMENT UNIT
7-1
4
5-2
2-4
P
3-4
3-5
2-2
3-3
2-3
N
3-1
3-2
5-1
2-1
RESIDENT ACTIVE PACKET GROUP MP2
MP2-1'
MP2-2'
or
RESIDENT ACTIVE PACKET GROUP MP1
MP1-1
MP1-2
P

Fig. 13

~~12/15~~

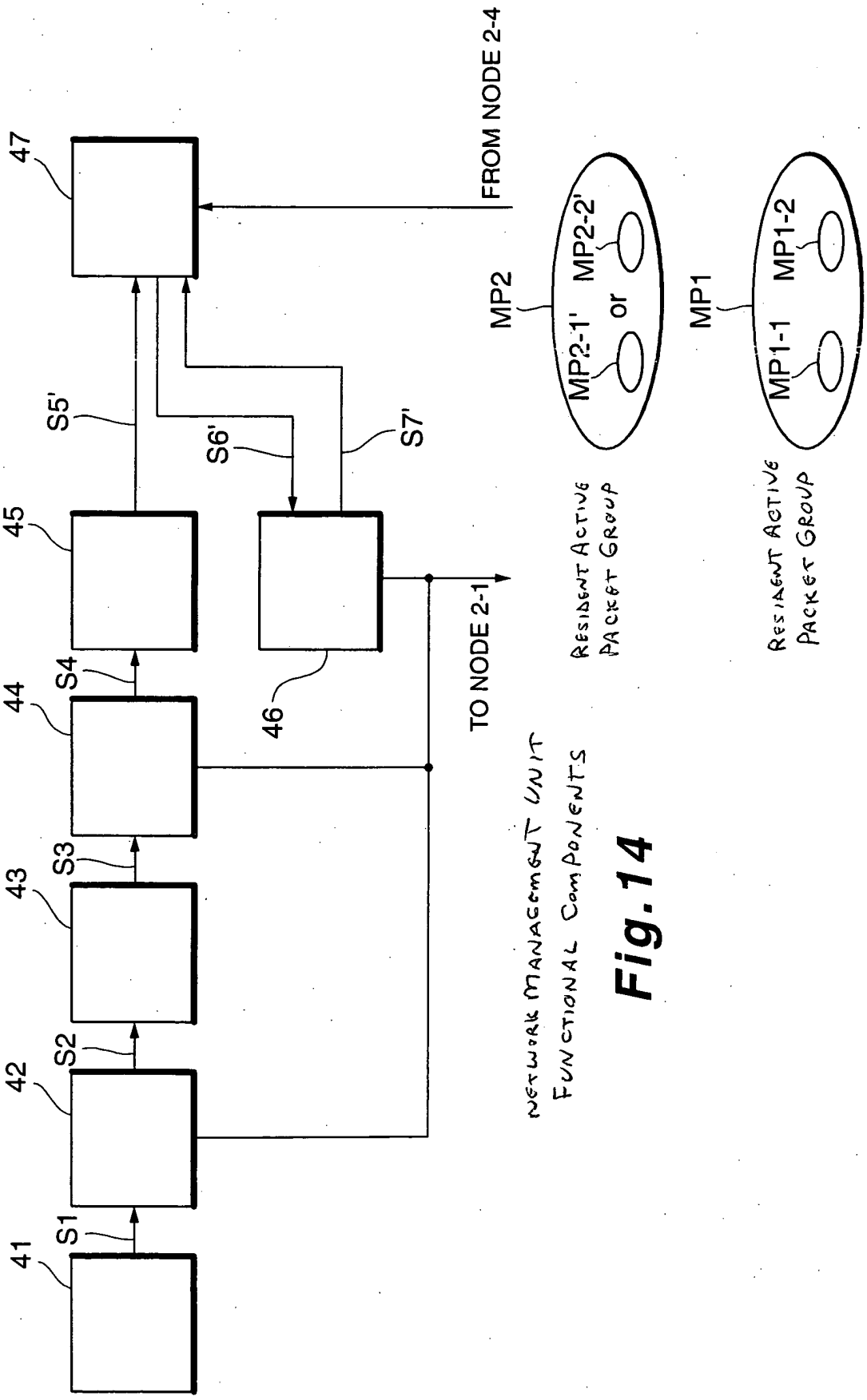
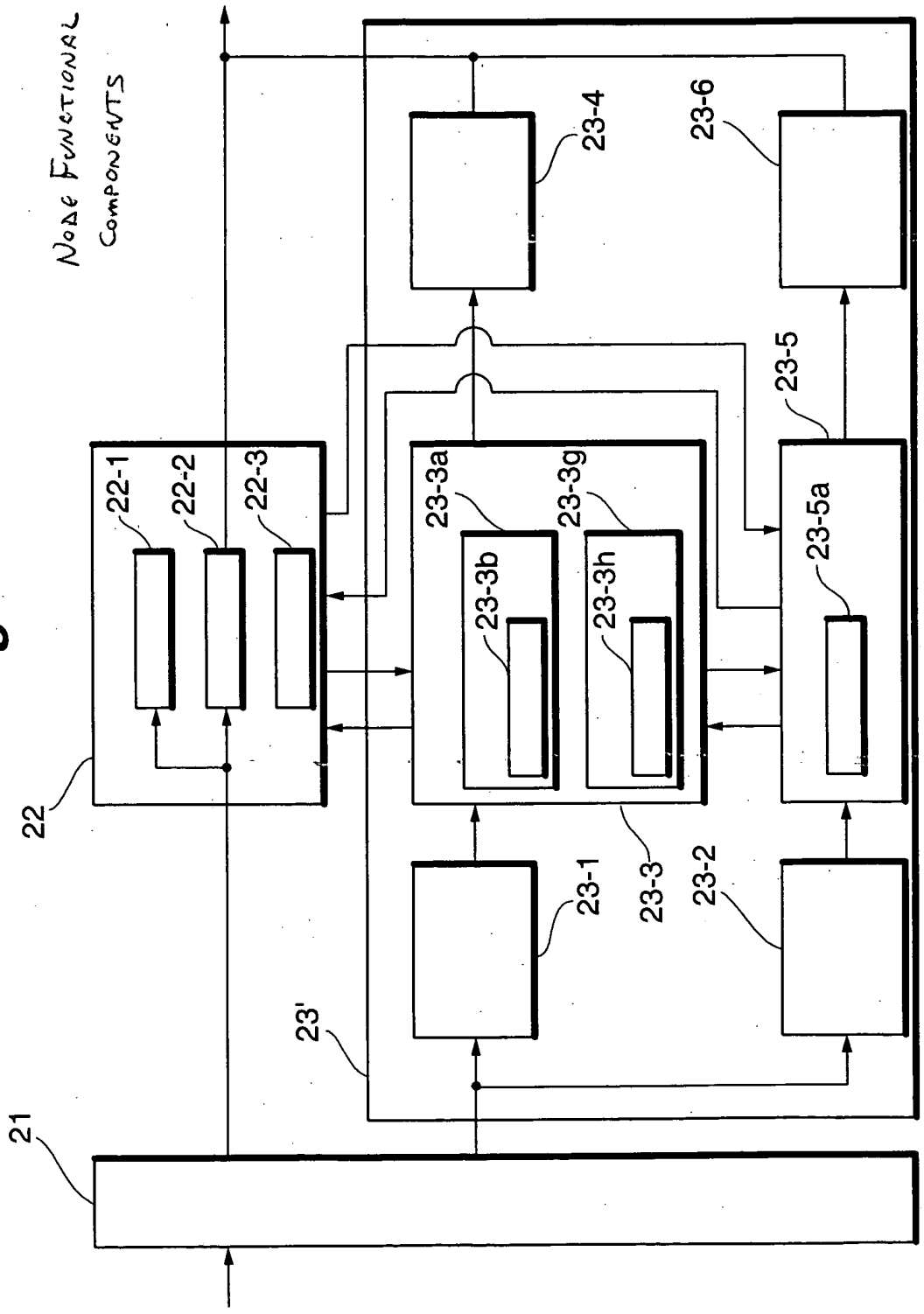

FROM NODE 2-4
47
S5'
S6'
S7'
45
46
S4
44
S3
43
S2
42
S1
41
TO NODE 2-1
MP2
MP2-1'
or
MP2-2'
RESIDENT ACTIVE PACKET GROUP
MP1
MP1-1
MP1-2
RESIDENT ACTIVE PACKET GROUP
NETWORK MANAGEMENT UNIT FUNCTIONAL COMPONENTS

Fig.14

Fig.15


NODE FUNCTIONAL COMPONENTS
21
22
22-1
22-2
22-3
23'
23-1
23-2
23-3
23-3a
23-3b
23-3g
23-3h
23-4
23-5
23-5a
23-6

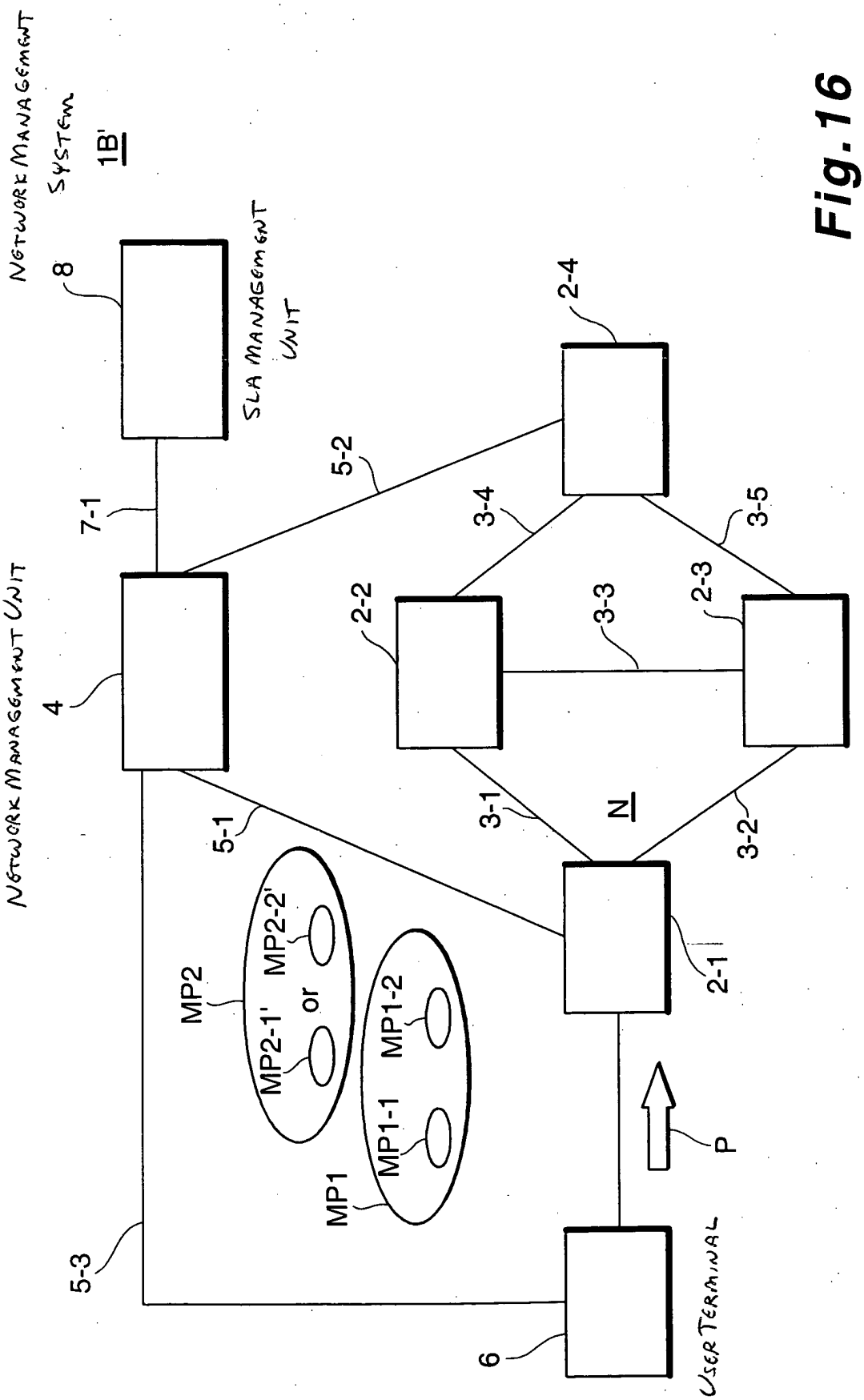

NETWORK MANAGEMENT SYSTEM
1B'
8
SLA MANAGEMENT UNIT
2-4
5-2
7-1
3-4
3-5
NETWORK MANAGEMENT UNIT
4
2-2
3-3
2-3
5-1
3-1
N
3-2
MP2
MP2-2'
MP2-1'
or
MP1-2
MP1-1
MP1
2-1
P
5-3
6
USER TERMINAL

Fig.16

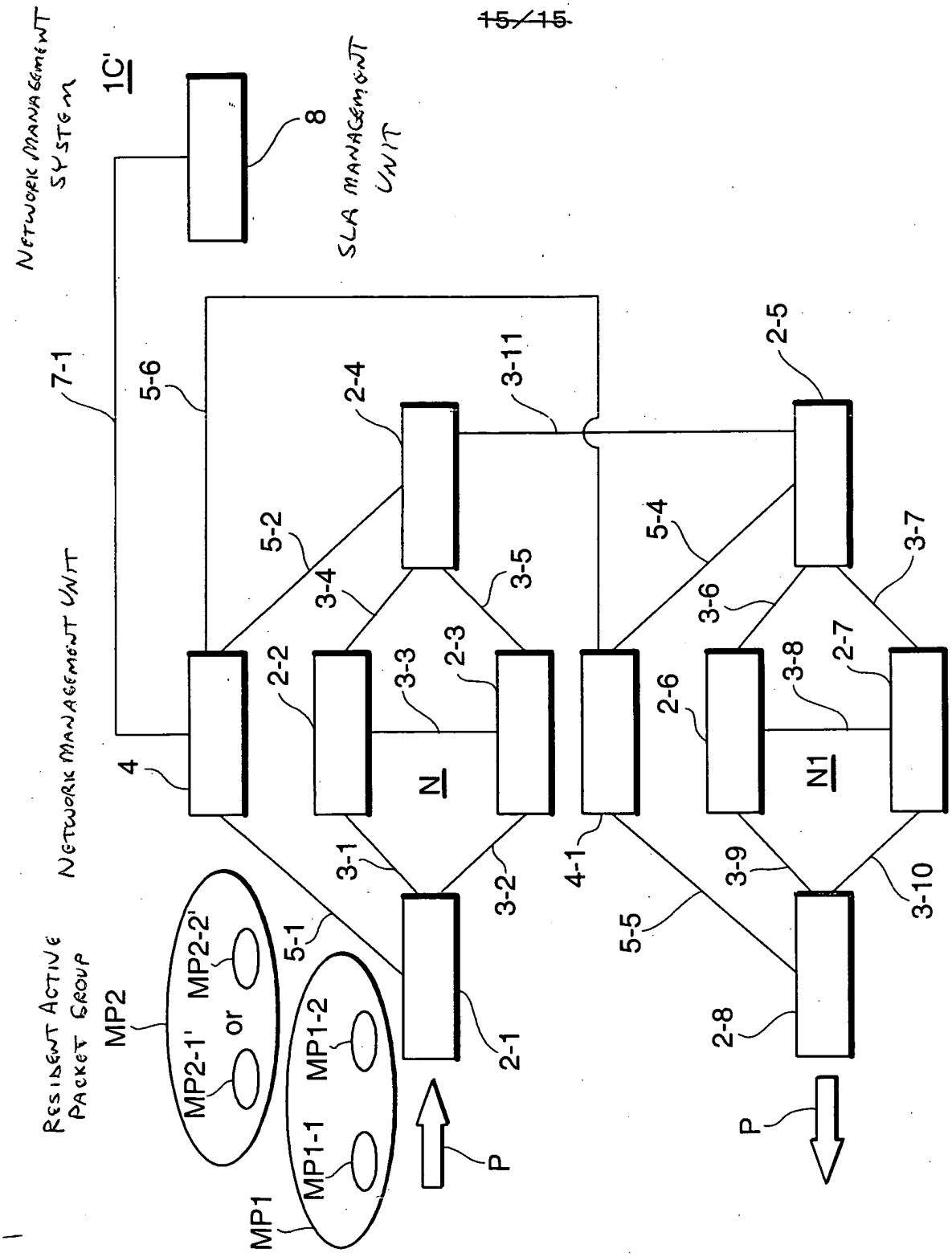

NETWORK MANAGEMENT SYSTEM
1C'
8
SLA MANAGEMENT UNIT
7-1
5-6
2-4
3-11
2-5
NETWORK MANAGEMENT UNIT
5-2
3-4
3-5
5-4
3-6
3-7
4
2-2
3-3
2-3
2-6
3-8
2-7
N
N1
3-1
3-2
4-1
3-9
3-10
5-1
5-5
RESIDENT ACTIVE PACKET GROUP
MP2
MP2-2'
or
MP2-1'
MP1-2
MP1-1
MP1
2-1
2-8
P
P
RESIDENT ACTIVE PACKET GROUP

Fig.17